

FIG. 1

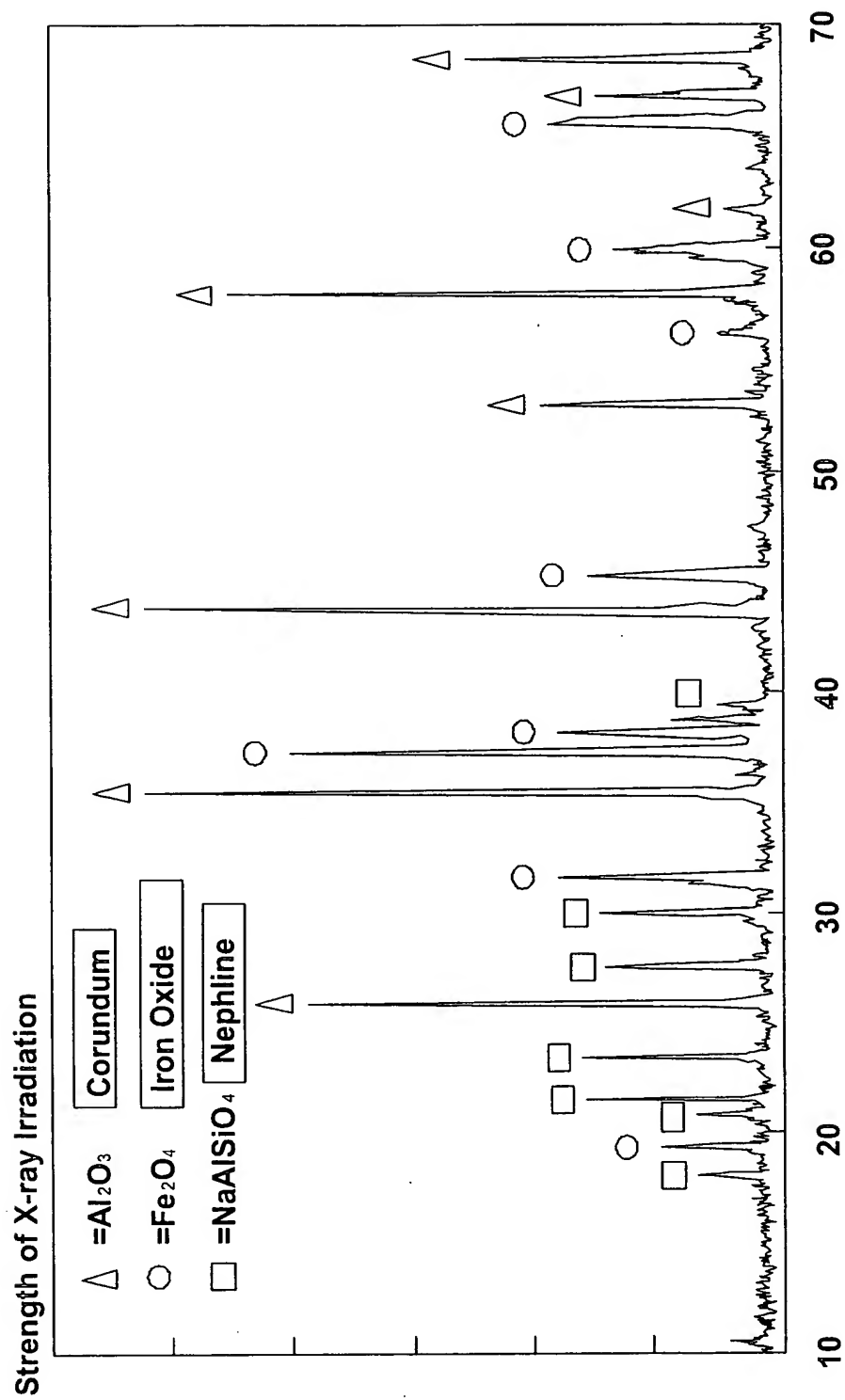


FIG. 2

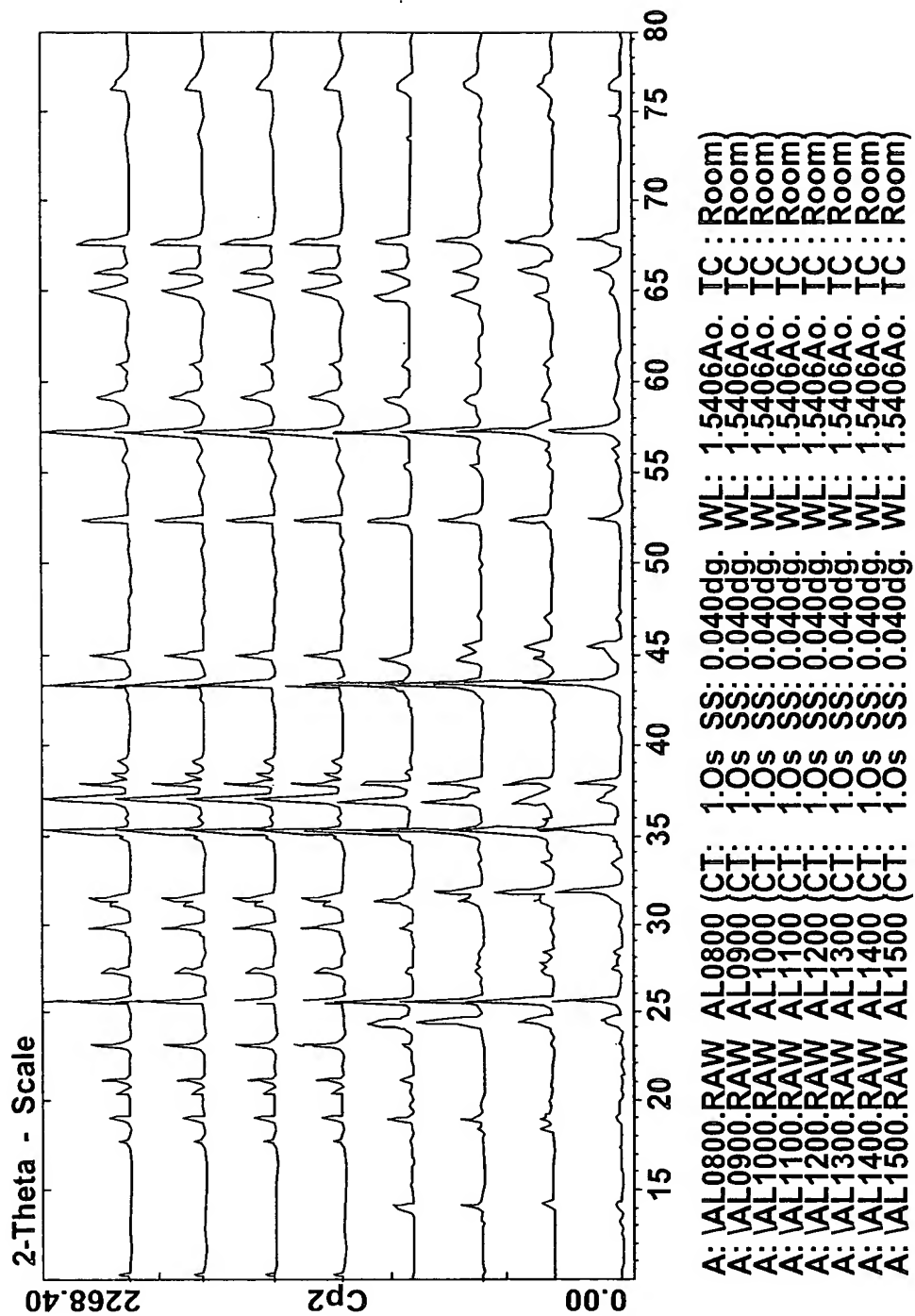


FIG. 3

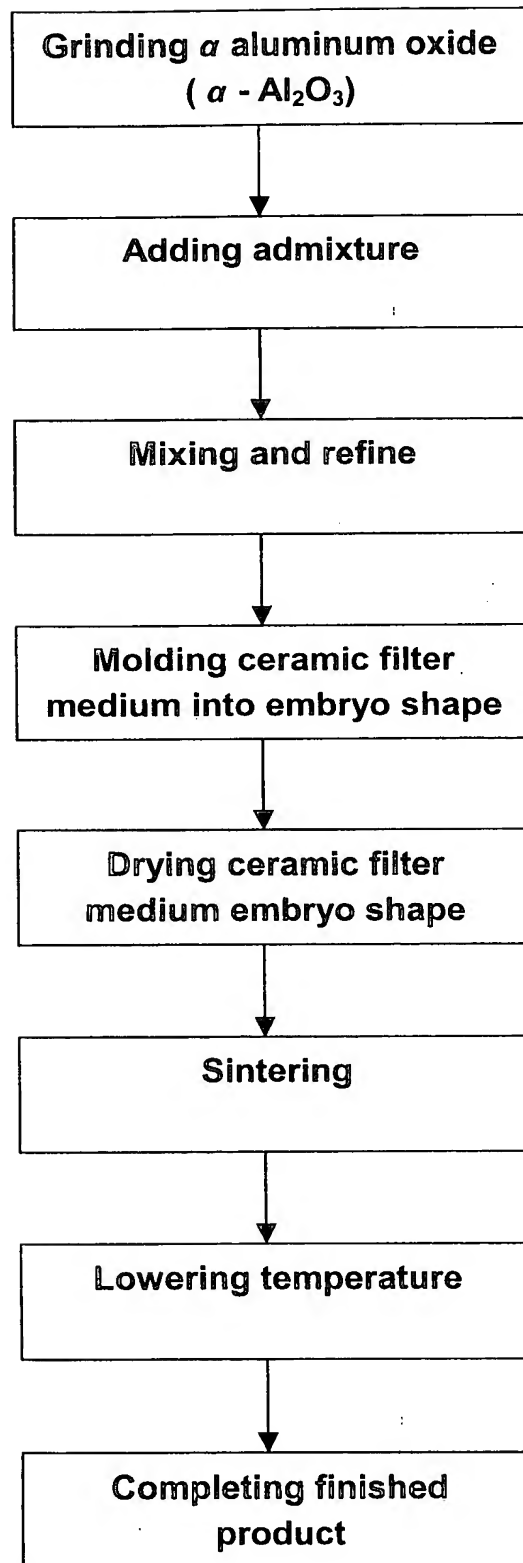


FIG. 4

| Compositio | | Silicon Dioxide | Aluminum Oxide | Ferric Oxide | Titanium Dioxide | Calcium Oxide | Magnesium Oxide | Potassium Oxide | Sodium Oxide | Trace elements |
|---|--|---|--------------------------------|--------------------------------|---|---------------|-----------------|------------------|-------------------|----------------|
| Name | | SiO ₂ | Al ₂ O ₃ | Fe ₂ O ₃ | TiO ₂ | CaO | MgO | K ₂ O | Na ₂ O | |
| Aluminum residue ash after calcinations | | 9.44% | 86.34% | 2.82% | | 0.65% | | | | 0.75% |
| Feldstar | | 71.76% | 15.57% | 0.40% | 0.55% | 0.69% | 0.49% | 7.53% | 2.15% | 0.86% |
| Black clay | | 44.58% | 36.94% | 0.39% | 1.90% | 1.47% | 0.65% | 0.52% | 0.99% | 12.56% |
| Sintered Steatite | | 64.39% | 0.18% | 0.07% | 0.04% | 0.25% | 34.82% | 0.20% | 0.05% | |
| Zirconium Silicate | | Silicon Dioxide SiO ₂ 34.50% | | | Zirconium Dioxide ZrO ₂ 65.50% | | | | | |
| Charcoal dust | | Carbon C 98% | | | | | | | | |

FIG. 5